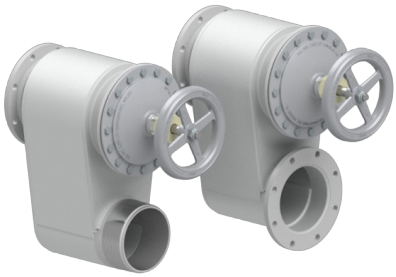
4” Bolted “T” Style Hydrolet Valve



The Betts Bolted “T” Style Hydrolet is a manually operated loading/unloading stop-valve commonly used as a side discharge valve on cargo tanks hauling elevated temperature products. The bolted bonnet allows for removal of the stem and disc holder for repairs, cleaning or inspection.

The valve body is available in aluminum or steel with various seal materials offered.

Maximum working temperature dependent on body material:
375°F [191°C] for aluminum valves.
500°F [260°C] for steel valves.

Maximum allowable working pressure (MAWP): **35 psi [2.4 bar]. ***

Assembly Part Number **	Description	Inlet Flange	Outlet Configuration	Body Material	Disc Seal Material **	Weight
FB744MSA	4" Steel with Flanged Outlet	4" TTMA (8 Holes on 5.88" B.C.) [149.2 mm]	Flanged (4" TTMA)	Steel	Non-Asbestos	31 lbs. [14.1 kg]
FB744ALA	4" Aluminum with Flanged Outlet	4" TTMA (8 Holes on 5.88" B.C.) [149.2 mm]	Flanged (4" TTMA)	Aluminum	Non-Asbestos	15.8 lbs. [7.2 kg]
FB754MSA	4" Steel with Threaded Outlet	4" TTMA (8 Holes on 5.88" B.C.) [149.2 mm]	Threaded (4" NPT)	Steel	Non-Asbestos	31 lbs. [14.1 kg]
FB754ALA	4" Aluminum with Threaded Outlet	4" TTMA (8 Holes on 5.88" B.C.) [149.2 mm]	Threaded (4" NPT)	Aluminum	Non-Asbestos	15.8 lbs. [7.2 kg]

* Values shown are test values and actual values may vary due to service conditions.

** Last letter of part number designates seal material.

** Disc Seal Material	Seal Temperature Rating *
A = Non- Asbestos	-20°F to +500°F [-29°C to 260°C]
T = PTFE	-20°F to +400°F [-29°C to 204°C]
V = FKM (Type A)	0°F to +400°F [-18°C to 204°C]
B = Nitrile (Bunna-N)	-40°F to +230°F [-40°C to 110°C]

Engineering Bulletins

EB-03-18:Procedure for Pneumatic Leak Test of Hydrolet Valve (Pre-Load Qualification)

EB-09-99: Q.R.B. Hydrolet Clamp Ring Installation and Torque Rating.

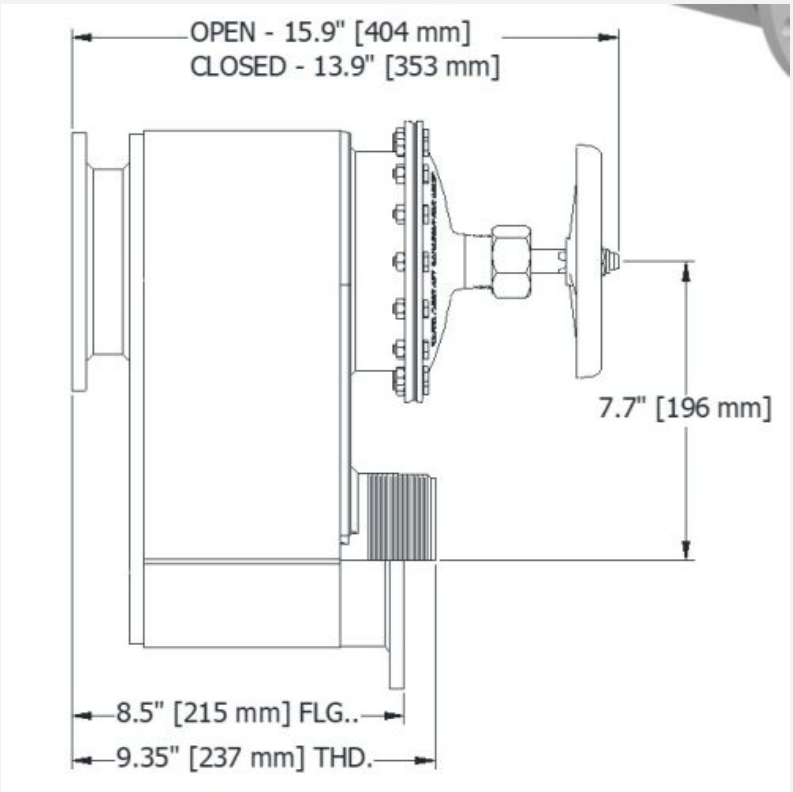
EB-05-25: New Tophead O-ring Seal on 3" & 4" Hydrolet Valves

Installation and Maintenance Manual

MM-HY005: Quick Release Bonnet Hydrolet Maintenance Manual

Instructional Videos

No video available at this time.



FB744 & FB754 Dims.

Teflon Accordion Packing

⚠ **WARNING: This product can expose you to chemicals including Chromium (hexavalent compounds) which is known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to: www.P65Warnings.ca.gov. For additional information on Betts products and Proposition 65 list please see: http://www.bettsind.com/prop-65/**